

**Amendments to the claims**

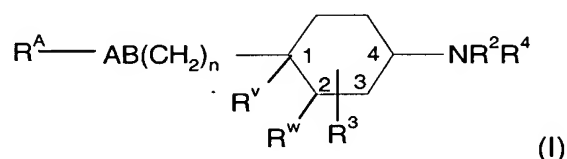
This listing of claims will replace all prior versions, and listings, of claims in the application:

**Claims**

**What is claimed is:**

Claims 1-15 (Cancelled).

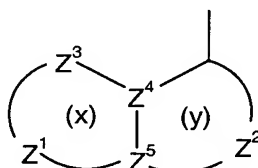
16. (New) A compound of formula (I) or a pharmaceutically acceptable derivative thereof:



wherein:

$R^v$  and  $R^w$  are hydrogen or  $R^v$  and  $R^w$  together are a bond;

$R^A$  is an optionally substituted bicyclic carbocyclic or heterocyclic ring system of structure:



containing 0-3 heteroatoms in each ring in which:

at least one of rings (x) and (y) is aromatic;

one of  $Z^4$  and  $Z^5$  is C or N and the other is C;

$Z^3$  is N,  $NR^{13}$ , O,  $S(O)_x$ , CO,  $CR^1$  or  $CR^1R^{1a}$ ;

$Z^1$  and  $Z^2$  are independantly a 2 or 3 atom linker group each atom of which is independently selected from N,  $NR^{13}$ , O,  $S(O)_x$ , CO,  $CR^1$  and  $CR^1R^{1a}$ ;  
such that each ring is independently substituted with 0-3 groups  $R^1$  and/or  $R^{1a}$ ;

$R^1$  and  $R^{1a}$  are independently selected from hydrogen; hydroxy;  $(C_{1-6})$  alkoxy optionally substituted by  $(C_{1-6})$ alkoxy, amino, piperidyl, guanidino or amidino any of which is optionally N-substituted by one or two  $(C_{1-6})$ alkyl, acyl or  $(C_{1-6})$ alkylsulphonyl groups,  $CONH_2$ , hydroxy,  $(C_{1-6})$ alkylthio, heterocyclthio, heterocycloxy, arylthio, aryloxy, acylthio, acyloxy or  $(C_{1-6})$ alkylsulphonyloxy;  $(C_{1-6})$

6)alkoxy-substituted (C<sub>1-6</sub>)alkyl; hydroxy (C<sub>1-6</sub>)alkyl; halogen; (C<sub>1-6</sub>)alkyl; (C<sub>1-6</sub>)alkylthio; trifluoromethyl; trifluoromethoxy; cyano; carboxy; nitro; azido; acyl; acyloxy; acylthio; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>1-6</sub>)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C<sub>1-6</sub>)alkyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups, or when Z<sup>3</sup> and the adjacent atom are CR<sup>1</sup> and CR<sup>1a</sup>, R<sup>1</sup> and R<sup>1a</sup> may together represent (C<sub>1-2</sub>)alkylenedioxy, provided that R<sup>1</sup> and R<sup>1a</sup>, on the same carbon atom are not both optionally substituted hydroxy or amino;

provided that

(i) when R<sup>A</sup> is optionally substituted quinolin-4-yl:

it is unsubstituted in the 6-position; or

it is substituted by at least one hydroxy (C<sub>1-6</sub>)alkyl, cyano or carboxy group at the 2-, 5-, 6-, 7- or 8-position; or

it is substituted by at least one trifluoromethoxy group; or

R<sup>3</sup> is halogen;

(ii) when R<sup>A</sup> is optionally substituted quinazolin-4-yl, cinnolin-4-yl, 1,5-naphthyridin-4-yl, 1,7-naphthyridin-4-yl or 1,8-naphthyridin-4-yl:

it is substituted by at least one hydroxy (C<sub>1-6</sub>)alkyl, cyano or carboxy group at the 2-, 5-, 6-, 7- or 8-position as available; or

it is substituted by at least one trifluoromethoxy group; or

R<sup>3</sup> is halogen;

R<sup>2</sup> is hydrogen, or (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl optionally substituted with 1 to 3 groups selected from:

amino optionally substituted by one or two (C<sub>1-4</sub>)alkyl groups; carboxy; (C<sub>1-4</sub>)alkoxycarbonyl; (C<sub>1-4</sub>)alkylcarbonyl; (C<sub>2-4</sub>)alkenyloxycarbonyl; (C<sub>2-4</sub>)alkenylcarbonyl; aminocarbonyl wherein the amino group is optionally substituted by hydroxy, (C<sub>1-4</sub>)alkyl, hydroxy(C<sub>1-4</sub>)alkyl, aminocarbonyl(C<sub>1-4</sub>)alkyl, (C<sub>2-4</sub>)alkenyl, (C<sub>1-4</sub>)alkylsulphonyl, trifluoromethylsulphonyl, (C<sub>2-4</sub>)alkenylsulphonyl, (C<sub>1-4</sub>)alkoxycarbonyl, (C<sub>1-4</sub>)alkylcarbonyl, (C<sub>2-4</sub>)alkenyloxycarbonyl or (C<sub>2-4</sub>)alkenylcarbonyl; cyano; tetrazolyl; 2-oxo-oxazolidinyl optionally substituted by R<sup>10</sup>; 3-hydroxy-3-cyclobutene-1,2-dione-4-yl; 2,4-thiazolidinedione-5-yl; tetrazol-5-ylaminocarbonyl; 1,2,4-triazol-5-yl optionally substituted by R<sup>10</sup>; 5-oxo-1,2,4-oxadiazol-3-yl; halogen; (C<sub>1-4</sub>)alkylthio; trifluoromethyl; hydroxy optionally substituted by (C<sub>1-4</sub>)alkyl, (C<sub>2-4</sub>)alkenyl, (C<sub>1-4</sub>)alkoxycarbonyl, (C<sub>1-4</sub>)alkylcarbonyl, (C<sub>2-4</sub>)alkenyloxycarbonyl, (C<sub>2-4</sub>)alkenylcarbonyl; oxo; (C<sub>1-4</sub>)alkylsulphonyl; (C<sub>2-4</sub>)alkenylsulphonyl; or (C<sub>1-4</sub>)aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl;

R<sup>3</sup> is hydrogen; or

when R<sup>V</sup> and R<sup>W</sup> are a bond, R<sup>3</sup> is in the 2-, 3- or 4- position and when R<sup>V</sup> and R<sup>W</sup> are not a bond, R<sup>3</sup> is in the 1-, 2-, 3- or 4-position and R<sup>3</sup> is:

carboxy; (C<sub>1-6</sub>)alkoxycarbonyl; aminocarbonyl wherein the amino group is optionally substituted by hydroxy, (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylsulphonyl, trifluoromethylsulphonyl, (C<sub>2-6</sub>)alkenylsulphonyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl and optionally further substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; cyano; tetrazolyl; 2-oxo-oxazolidinyl optionally substituted by R<sup>10</sup>; 3-hydroxy-3-cyclobutene-1,2-dione-4-yl; 2,4-thiazolidinedione-5-yl; tetrazol-5-ylaminocarbonyl; 1,2,4-triazol-5-yl optionally substituted by R<sup>10</sup>; or 5-oxo-1,2,4-oxadiazol-3-yl; or

(C<sub>1-4</sub>)alkyl or ethenyl optionally substituted with any of the groups listed above for R<sup>3</sup> and/or 0 to 2 groups R<sup>12</sup> independently selected from:

halogen; (C<sub>1-6</sub>)alkylthio; trifluoromethyl; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; (C<sub>2-6</sub>)alkenyloxycarbonyl; (C<sub>2-6</sub>)alkenylcarbonyl; hydroxy optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylcarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl; amino optionally mono- or disubstituted by (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylsulphonyl, (C<sub>2-6</sub>)alkenylsulphonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl and optionally further substituted by (C<sub>1-6</sub>)alkyl, hydroxy(C<sub>1-6</sub>)alkyl, aminocarbonyl(C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; oxo; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>2-6</sub>)alkenylsulphonyl; or (C<sub>1-6</sub>)aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; or

hydroxy optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylcarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl; or

amino optionally mono- or disubstituted by (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)

6)alkenyl, (C<sub>1-6</sub>)alkylsulphonyl, (C<sub>2-6</sub>)alkenylsulphonyl or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; or

halogen;

provided that when R<sup>3</sup> is in the 4- position it is not optionally substituted hydroxyl or amino or halogen;

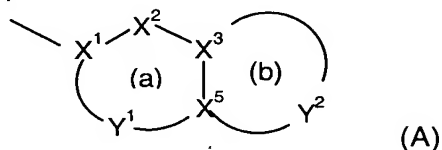
in addition when R<sup>3</sup> is disubstituted with a hydroxy or amino containing substituent and a carboxy containing substituent these may optionally together form a cyclic ester or amide linkage, respectively;

R<sup>10</sup> is selected from (C<sub>1-4</sub>)alkyl and (C<sub>2-4</sub>)alkenyl either of which may be optionally substituted by a group R<sup>12</sup> as defined above; carboxy; aminocarbonyl wherein the amino group is optionally substituted by hydroxy, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>1-6</sub>)alkylsulphonyl, trifluoromethylsulphonyl, (C<sub>2-6</sub>)alkenylsulphonyl, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl or (C<sub>2-6</sub>)alkenylcarbonyl and optionally further substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; (C<sub>1-6</sub>)alkylsulphonyl; trifluoromethylsulphonyl; (C<sub>2-6</sub>)alkenylsulphonyl; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; (C<sub>2-6</sub>)alkenyloxycarbonyl; and (C<sub>2-6</sub>)alkenylcarbonyl;

R<sup>4</sup> is a group -CH<sub>2</sub>-R<sup>5</sup><sub>1</sub> in which R<sup>5</sup><sub>1</sub> is selected from:

(C<sub>4-8</sub>)alkyl; hydroxy(C<sub>4-8</sub>)alkyl; (C<sub>1-4</sub>)alkoxy(C<sub>4-8</sub>)alkyl; (C<sub>1-4</sub>)alkanoyloxy(C<sub>4-8</sub>)alkyl; (C<sub>3-8</sub>)cycloalkyl(C<sub>4-8</sub>)alkyl; hydroxy-, (C<sub>1-6</sub>)alkoxy- or (C<sub>1-6</sub>)alkanoyloxy-(C<sub>3-8</sub>)cycloalkyl(C<sub>4-8</sub>)alkyl; cyano(C<sub>4-8</sub>)alkyl; (C<sub>4-8</sub>)alkenyl; (C<sub>4-8</sub>)alkynyl; tetrahydrofuryl; mono- or di-(C<sub>1-6</sub>)alkylamino(C<sub>4-8</sub>)alkyl; acylamino(C<sub>4-8</sub>)alkyl; (C<sub>1-6</sub>)alkyl- or acyl-aminocarbonyl(C<sub>4-8</sub>)alkyl; mono- or di-(C<sub>1-6</sub>)alkylamino(hydroxy) (C<sub>4-8</sub>)alkyl; or

R<sup>4</sup> is a group -U-R<sup>5</sup><sub>2</sub> where R<sup>5</sup><sub>2</sub> is an optionally substituted bicyclic carbocyclic or heterocyclic ring system (A):



containing up to four heteroatoms in each ring in which at least one of rings (a) and (b) is aromatic;

X<sup>1</sup> is C or N when part of an aromatic ring or CR<sup>14</sup> when part of a non aromatic ring;

X<sup>2</sup> is N, NR<sup>13</sup>, O, S(O)<sub>x</sub>, CO or CR<sup>14</sup> when part of an aromatic or non-aromatic ring or may in addition be CR<sup>14</sup>R<sup>15</sup> when part of a non aromatic ring;

X<sup>3</sup> and X<sup>5</sup> are independently N or C;

Y<sup>1</sup> is a 0 to 4 atom linker group each atom of which is independently selected from N, NR<sup>13</sup>, O, S(O)<sub>x</sub>, CO and CR<sup>14</sup> when part of an aromatic or non-aromatic ring or may additionally be CR<sup>14</sup>R<sup>15</sup> when part of a non aromatic ring,

Y<sup>2</sup> is a 2 to 6 atom linker group, each atom of Y<sup>2</sup> being independently selected from N, NR<sup>13</sup>, O, S(O)<sub>x</sub>, CO and CR<sup>14</sup> when part of an aromatic or non-aromatic ring or may additionally be CR<sup>14</sup>R<sup>15</sup> when part of a non aromatic ring; each of R<sup>14</sup> and R<sup>15</sup> is independently selected from: H; (C<sub>1-4</sub>)alkylthio; halo; carboxy(C<sub>1-4</sub>)alkyl; halo(C<sub>1-4</sub>)alkoxy; halo(C<sub>1-4</sub>)alkyl; (C<sub>1-4</sub>)alkyl; (C<sub>2-4</sub>)alkenyl; (C<sub>1-4</sub>)alkoxycarbonyl; formyl; (C<sub>1-4</sub>)alkylcarbonyl; (C<sub>2-4</sub>)alkenyloxycarbonyl; (C<sub>2-4</sub>)alkenylcarbonyl; (C<sub>1-4</sub>)alkylcarbonyloxy; (C<sub>1-4</sub>)alkoxycarbonyl(C<sub>1-4</sub>)alkyl; hydroxy; hydroxy(C<sub>1-4</sub>)alkyl; mercapto(C<sub>1-4</sub>)alkyl; (C<sub>1-4</sub>)alkoxy; nitro; cyano; carboxy; amino or aminocarbonyl optionally substituted as for corresponding substituents in R<sup>3</sup>; (C<sub>1-4</sub>)alkylsulphonyl; (C<sub>2-4</sub>)alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl; aryl; aryl(C<sub>1-4</sub>)alkyl; aryl(C<sub>1-4</sub>)alkoxy;

each R<sup>13</sup> is independently H; trifluoromethyl; (C<sub>1-4</sub>)alkyl optionally substituted by hydroxy, carboxy, (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkoxy, (C<sub>1-6</sub>)alkylthio, halo or trifluoromethyl; (C<sub>2-4</sub>)alkenyl; aryl; aryl (C<sub>1-4</sub>)alkyl; arylcarbonyl; heteroarylcarbonyl; (C<sub>1-4</sub>)alkoxycarbonyl; (C<sub>1-4</sub>)alkylcarbonyl; formyl; (C<sub>1-6</sub>)alkylsulphonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-4</sub>)alkoxycarbonyl, (C<sub>1-4</sub>)alkylcarbonyl, (C<sub>2-4</sub>)alkenyloxycarbonyl, (C<sub>2-4</sub>)alkenylcarbonyl, (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl and optionally further substituted by (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl;

each x is independently 0, 1 or 2;

U is CO, SO<sub>2</sub> or CH<sub>2</sub>; or

R<sup>4</sup> is a group -X<sup>1a</sup>-X<sup>2a</sup>-X<sup>3a</sup>-X<sup>4a</sup> in which:

X<sup>1a</sup> is CH<sub>2</sub>, CO or SO<sub>2</sub>;

X<sup>2a</sup> is CR<sup>14a</sup>R<sup>15a</sup>;

X<sup>3a</sup> is NR<sup>13a</sup>, O, S, SO<sub>2</sub> or CR<sup>14a</sup>R<sup>15a</sup>; wherein:

each of R<sup>14a</sup> and R<sup>15a</sup> is independently selected from the groups listed above for R<sup>14</sup> and R<sup>15</sup>, provided that R<sup>14a</sup> and R<sup>15a</sup> on the same carbon atom are not both selected from optionally substituted hydroxy and optionally substituted amino; or

R<sup>14a</sup> and R<sup>15a</sup> together represent oxo;

R<sup>13a</sup> is hydrogen; trifluoromethyl; (C<sub>1-6</sub>)alkyl; (C<sub>2-6</sub>)alkenyl; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl and optionally further substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl; or

two R<sup>14a</sup> groups or an R<sup>13a</sup> and an R<sup>14a</sup> group on adjacent atoms together represent a bond and the remaining R<sup>13a</sup>, R<sup>14a</sup> and R<sup>15a</sup> groups are as above defined; or

two R<sup>14a</sup> groups and two R<sup>15a</sup> groups on adjacent atoms together represent bonds such that X<sup>2a</sup> and X<sup>3a</sup> is triple bonded;

X<sup>4a</sup> is phenyl or C or N linked monocyclic aromatic 5- or 6-membered heterocycle containing up to four heteroatoms selected from O, S and N and: optionally C-substituted by up to three groups selected from (C<sub>1-4</sub>)alkylthio; halo; carboxy(C<sub>1-4</sub>)alkyl; halo(C<sub>1-4</sub>)alkoxy; halo(C<sub>1-4</sub>)alkyl; (C<sub>1-4</sub>)alkyl; (C<sub>2-4</sub>)alkenyl; (C<sub>1-4</sub>)alkoxycarbonyl; formyl; (C<sub>1-4</sub>)alkylcarbonyl; (C<sub>2-4</sub>)alkenyloxycarbonyl; (C<sub>2-4</sub>)alkenylcarbonyl; (C<sub>1-4</sub>)alkylcarbonyloxy; (C<sub>1-4</sub>)alkoxycarbonyl(C<sub>1-4</sub>)alkyl; hydroxy; hydroxy(C<sub>1-4</sub>)alkyl; mercapto(C<sub>1-4</sub>)alkyl; (C<sub>1-4</sub>)alkoxy; nitro; cyano; carboxy; amino or aminocarbonyl optionally substituted as for corresponding substituents in R<sup>3</sup>; (C<sub>1-4</sub>)alkylsulphonyl; (C<sub>2-4</sub>)alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl; aryl, aryl(C<sub>1-4</sub>)alkyl or aryl(C<sub>1-4</sub>)alkoxy; and optionally N substituted by trifluoromethyl; (C<sub>1-4</sub>)alkyl optionally substituted by hydroxy, (C<sub>1-6</sub>)alkoxy, (C<sub>1-6</sub>)alkylthio, halo or trifluoromethyl; (C<sub>2-4</sub>)alkenyl; aryl; aryl(C<sub>1-4</sub>)alkyl; (C<sub>1-4</sub>)alkoxycarbonyl; (C<sub>1-4</sub>)alkylcarbonyl; formyl; (C<sub>1-6</sub>)alkylsulphonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-4</sub>)alkoxycarbonyl, (C<sub>1-4</sub>)alkylcarbonyl, (C<sub>2-4</sub>)alkenyloxycarbonyl, (C<sub>2-4</sub>)alkenylcarbonyl, (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl and optionally further substituted by (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl;

n is 0 or 1 and AB is NR<sup>11</sup>CO, CONR<sup>11</sup>, CO-CR<sup>8</sup>R<sup>9</sup>, CR<sup>6</sup>R<sup>7</sup>-CO, O-CR<sup>8</sup>R<sup>9</sup>, CR<sup>6</sup>R<sup>7</sup>-O, NHR<sup>11</sup>-CR<sup>8</sup>R<sup>9</sup>, CR<sup>6</sup>R<sup>7</sup>-NHR<sup>11</sup>, NR<sup>11</sup>SO<sub>2</sub>, CR<sup>6</sup>R<sup>7</sup>-SO<sub>2</sub> or CR<sup>6</sup>R<sup>7</sup>-CR<sup>8</sup>R<sup>9</sup>,

provided that when R<sup>V</sup> and R<sup>W</sup> are a bond and n=0, B is not NR<sup>11</sup>, O or SO<sub>2</sub>,

or n is 0 and AB is NH-CO-NH or NH-CO-O and R<sup>V</sup>/R<sup>W</sup> are not a bond;

or n is 0 and AB is CR<sup>6</sup>R<sup>7</sup>SO<sub>2</sub>NR<sup>2</sup>, CR<sup>6</sup>R<sup>7</sup>CONR<sup>2</sup> or CR<sup>6</sup>R<sup>7</sup>CH<sub>2</sub>NR<sup>2</sup> and R<sup>V</sup>/R<sup>W</sup> are not a bond;

provided that R<sup>6</sup> and R<sup>7</sup>, and R<sup>8</sup> and R<sup>9</sup> are not both optionally substituted hydroxy or amino;

and wherein:

each of R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup> and R<sup>9</sup> is independently selected from: H; (C<sub>1-6</sub>)alkoxy; (C<sub>1-6</sub>)alkylthio; halo; trifluoromethyl; azido; (C<sub>1-6</sub>)alkyl; (C<sub>2-6</sub>)alkenyl; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; (C<sub>2-6</sub>)alkenyloxycarbonyl; (C<sub>2-6</sub>)alkenylcarbonyl; hydroxy, amino or aminocarbonyl optionally substituted as for corresponding substituents in R<sup>3</sup>; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>2-6</sub>)alkenylsulphonyl; or (C<sub>1-6</sub>)aminosulphonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl;  
or R<sup>6</sup> and R<sup>8</sup> together represent a bond and R<sup>7</sup> and R<sup>9</sup> are as above defined;

and each R<sup>11</sup> is independently H; trifluoromethyl; (C<sub>1-6</sub>)alkyl; (C<sub>2-6</sub>)alkenyl; (C<sub>1-6</sub>)alkoxycarbonyl; (C<sub>1-6</sub>)alkylcarbonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-6</sub>)alkoxycarbonyl, (C<sub>1-6</sub>)alkylcarbonyl, (C<sub>2-6</sub>)alkenyloxycarbonyl, (C<sub>2-6</sub>)alkenylcarbonyl, (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl and optionally further substituted by (C<sub>1-6</sub>)alkyl or (C<sub>2-6</sub>)alkenyl;

or where one of R<sup>3</sup> and R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup> or R<sup>9</sup> contains a carboxy group and the other contains a hydroxy or amino group they may together form a cyclic ester or amide linkage or where R<sup>3</sup> contains a carboxy group and A or B is NH they may be condensed to form a cyclic amide.

17. (New) A compound according to claim 16 wherein R<sup>A</sup> is optionally substituted isoquinolin-5-yl, quinolin-8-yl, thieno[3,2-b]pyridin-7-yl, 2,3-dihydro-[1,4]dioxino[2,3-b]pyridin-8-yl, quinoxalin-5-yl, isoquinolin-8-yl, [1,6]-naphthyridin-4-yl, 1,2,3,4-tetrahydroquinoxalin-5-yl or 1,2-dihydroisoquinoline-8-yl.

18. (New) A compound according to claim 16 wherein R<sup>1</sup> is hydrogen, methoxy, methyl, cyano or halogen and R<sup>1a</sup> is H.

19. (New) A compound according to claim 16 wherein R<sup>2</sup> is hydrogen.

20. (New) A compound according to claim 16 wherein R<sup>3</sup> is hydrogen, fluoro or hydroxy substituted in the 1-or 3-position.

21. (New) A compound according to claim 16 wherein n is 0 and either A and B are both CH<sub>2</sub>, A is CHOH or CH<sub>2</sub> and B is CH<sub>2</sub> or A is NH and B is CO.

22. (New) A compound according to claim 16 wherein R<sup>4</sup> is -U-R<sup>5</sup><sub>2</sub>, the group -U- is -CH<sub>2</sub>-, and R<sup>5</sup><sub>2</sub> is an aromatic heterocyclic ring (A) having 8-11 ring atoms including 2-4 heteroatoms of which at least one is N or NR<sup>13</sup> in which Y<sup>2</sup> contains 2-

3 heteroatoms, one of which is S and 1-2 are N, with one N bonded to X<sup>3</sup>, or the heterocyclic ring (A) has ring (a) aromatic selected from optionally substituted benzo and pyrido and ring (b) non-aromatic and Y<sup>2</sup> has 3-5 atoms including a heteroatom bonded to X<sup>5</sup> selected from O, S or NR<sup>13</sup>, where R<sup>13</sup> is other than hydrogen, and NHCO bonded via N to X<sup>3</sup>, or O bonded to X<sup>3</sup>.

23. (New) A compound according to claim 16 wherein R<sup>5</sup><sub>2</sub> is selected from: 3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-yl  
3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-yl  
7-chloro-3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-yl  
7-fluoro-3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-yl  
2,3-dihydro-[1,4]dioxino[2,3-c]pyridin-7-yl.

24. (New) A compound selected from:

1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid thieno[3,2-b]pyridin-7-ylamide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2,3-dihydro-[1,4]dioxino[2,3-b]pyridin-8-yl)-amide  
trans-4-[(3-Oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid quinolin-4-ylamide  
trans-4-[(3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid isoquinolin-5-ylamide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-methoxy-quinolin-8-yl)-amide  
4-[(3,4-Dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-1-hydroxy-cyclohexanecarboxylic acid (2-methoxy-quinolin-8-yl)-amide  
6-({4-Hydroxy-4-[2-(2-methoxy-quinolin-8-yl)-ethyl]-cyclohexylamino}-methyl)-4H-pyrido[3,2-b][1,4]oxazin-3-one  
6-({4-Hydroxy-4-[2-(2-methoxy-quinolin-8-yl)-ethyl]-cyclohexylamino}-methyl)-4H-pyrido[3,2-b][1,4]thiazin-3-one  
(1R,3S,4R)-3-Hydroxy-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
(1S,3R,4S)-3-Hydroxy-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide



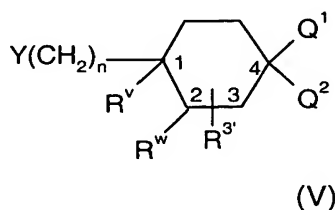
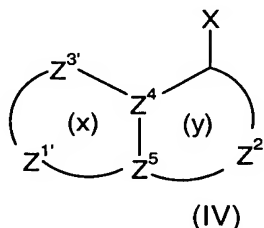
(1S,3R,4S)-3-Hydroxy-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
(1R,3R,4R)-3-Hydroxy-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
(1R,3R,4R)-3-Hydroxy-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
(1R,3S,4R)-3-Hydroxy-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-methoxy-quinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-methyl-quinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-methyl-quinolin-8-yl)-amide  
(1R,3R,4R)-3-Hydroxy-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-methoxy-quinolin-8-yl)-amide  
7-({*r*-4-Hydroxy-4-[2-(2-methoxy-quinolin-8-yl)-ethyl]-*c*-cyclohexylamino)-methyl)-1H-pyrido[2,3-b][1,4]thiazin-2-one  
1-Hydroxy-*t*-4-[(2-oxo-2,3-dihydro-1H-pyrido[3,4-b][1,4]oxazin-7-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-methyl-quinolin-8-yl)-amide  
*t*-4-[(7-Fluoro-3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-1-hydroxy-*r*-cyclohexanecarboxylic acid (2-methoxy-quinolin-8-yl)-amide  
*t*-4-[(7-Chloro-3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-1-hydroxy-*r*-cyclohexanecarboxylic acid (2-methoxy-quinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (3-methyl-quinoxalin-5-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-methyl-1-oxo-1,2-dihydro-isoquinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (1-methoxy-isoquinolin-8-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (5-methoxy-quinolin-4-yl)-amide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid [1,6]naphthyridin-4-ylamide  
1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (2-methyl-quinoxalin-5-yl)-amide  
(1R,3S,4R)-3-Fluoro-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (6-methoxy-[1,5]naphthyridin-4-yl)-amide

(1R,3S,4R)-3-Fluoro-4-[(7-fluoro-3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-cyclohexanecarboxylic acid (6-methoxy-[1,5]naphthyridin-4-yl)-amide 1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazin-6-ylmethyl)-amino]-*c*-cyclohexanecarboxylic acid (3-methyl-1,2,3,4-tetrahydro-quinoxalin-5-yl)-amide 1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (3-methoxy-quinoxalin-5-yl)-amide *t*-4-[(2,3-Dihydro-[1,4]dioxino[2,3-*c*]pyridin-7-ylmethyl)-amino]-1-hydroxy-*c*-cyclohexanecarboxylic acid (2-methyl-quinolin-8-yl)-amide *t*-4-[(2,3-Dihydro-[1,4]dioxino[2,3-*c*]pyridin-7-ylmethyl)-amino]-cyclohexanecarboxylic acid (2-methyl-quinolin-8-yl)-amide (1R,3S,4R)-4-[(2,3-Dihydro-[1,4]dioxino[2,3-*c*]pyridin-7-ylmethyl)-amino]-3-hydroxy-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
*t*-4-[(2,3-Dihydro-[1,4]dioxino[2,3-*c*]pyridin-7-ylmethyl)-amino]-1-hydroxy-*r*-cyclohexanecarboxylic acid (2-cyano-quinolin-8-yl)-amide  
(1R,3R,4R)-4-[(2,3-Dihydro-[1,4]dioxino[2,3-*c*]pyridin-7-ylmethyl)-amino]-3-methoxy-cyclohexanecarboxylic acid (2-methyl-quinolin-8-yl)-amide 1-Hydroxy-*t*-4-[(3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazin-6-ylmethyl)-amino]-*r*-cyclohexanecarboxylic acid (6-cyano-quinolin-4-yl)-amide *t*-4-[(2,3-Dihydro-[1,4]dioxino[2,3-*c*]pyridin-7-ylmethyl)-amino]-1-hydroxy-*r*-cyclohexanecarboxylic acid (3-methoxy-quinoxalin-5-yl)-amide *t*-4-[(2,3-Dihydro[1,4]dioxino[2,3-*c*]pyridin-7-ylmethyl)amino]-1-hydroxy-*N*-(3-methyl-5-quinoxaliny)-*r*-cyclohexanecarboxamide  
or a pharmaceutically acceptable derivative thereof.

25. (New) A method of treatment of bacterial infections in mammals, particularly in man, which method comprises the administration to a mammal in need of such treatment an effective amount of a compound according to claim 16.

26. (New) A pharmaceutical composition comprising a compound according to claim 16, and a pharmaceutically acceptable carrier.

27. (New) A process for preparing a compound according to claim 16, which process comprises reacting a compound of formula (IV) with a compound of formula (V):



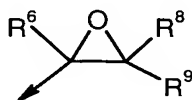
wherein n is as defined in formula (I);  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $R^1$  and  $R^3$  as defined in formula (I) or groups convertible thereto;  $Z^4$ ,  $Z^5$ ,  $R^V$  and  $R^W$  are as defined in formula (I);

$Q^1$  is  $NR^{2'}R^{4'}$  or a group convertible thereto wherein  $R^{2'}$  and  $R^{4'}$  are  $R^2$  and  $R^4$  as defined in formula (I) or groups convertible thereto and  $Q^2$  is H or  $R^{3'}$  or  $Q^1$  and  $Q^2$  together form an optionally protected oxo group;

and X and Y may be the following combinations:

- (i) one of X and Y is  $CO_2R^Y$  and the other is  $CH_2CO_2R^X$ ;
- (ii) X is  $CHR^6R^7$  and Y is  $C(=O)R^9$ ;
- (iii) X is  $CR^7=PR^{Z^3}$  and Y is  $C(=O)R^9$ ;
- (iv) X is  $C(=O)R^7$  and Y is  $CR^9=PR^{Z^3}$ ;
- (v) one of Y and X is COW and the other is  $NHR^{11'}$ , NCO or  $NR^{11'}COW$ ;
- (vi) X is  $NHR^{11'}$  and Y is  $C(=O)R^8$  or X is  $C(=O)R^6$  and Y is  $NHR^{11'}$ ;
- (vii) X is  $NHR^{11'}$  and Y is  $CR^8R^9W$ ;
- (viii) X is W or OH and Y is  $CH_2OH$ ;
- (ix) X is  $NHR^{11'}$  and Y is  $SO_2W$ ;
- (x) one of X and Y is  $(CH_2)_p-W$  and the other is  $(CH_2)_qNHR^{11'}$ ,  $(CH_2)_qOH$ ,  $(CH_2)_qSH$  or  $(CH_2)_qSCOR^X$  where  $p+q=1$ ;
- (xi) one of X and Y is OH and the other is  $-CH=N_2$ ;
- (xii) X is NCO and Y is OH or  $NH_2$ ;
- (xiii) X is  $CR^6R^7SO_2W$ ,  $A'COW$ ,  $CR^6=CH_2$  or oxirane and Y is  $NHR^{2'}$ ;
- (xiv) X is W and Y is  $CONHR^{11'}$  or  $CONH_2$ ;
- (xv) X is W and Y is  $-C\equiv CH$  followed by hydrogenation of the intermediate  $-C\equiv C-$  group;

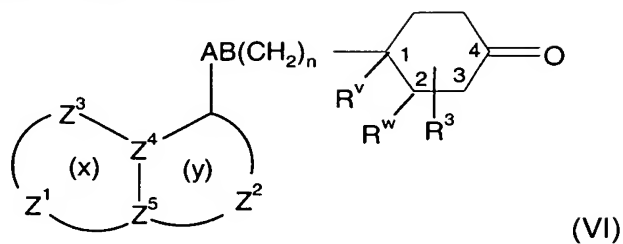
in which W is a leaving group, e.g. halo, methanesulphonyloxy, trifluoromethanesulphonyloxy or imidazolyl;  $R^X$  and  $R^Y$  are  $(C_{1-6})$ alkyl;  $R^Z$  is aryl or  $(C_{1-6})$ alkyl;  $A'$  and  $NR^{11'}$  are A and  $NR^{11}$  as defined in formula (I), or groups convertible thereto; and oxirane is:



wherein  $R^6$ ,  $R^8$  and  $R^9$  are as defined in formula (I);

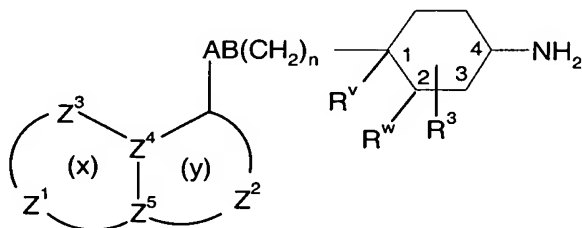
and thereafter optionally or as necessary converting  $Q^1$  and  $Q^2$  to  $NR^{2'}R^{4'}$ ; converting  $A'$ ,  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  and  $NR^{11'}$  to A,  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  and  $NR^{11}$ ; converting A-B to other A-B, interconverting  $R^V$ ,  $R^W$ ,  $R^1$ ,  $R^2$ ,  $R^3$  and/or  $R^4$ , and/or forming a pharmaceutically acceptable derivative thereof.

28. (New) A compound of formula (VI):



wherein the variables are as described for formula (I).

29. (New) A compound of formula (VII):



wherein the variables are as described for formula (I).